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ART UNIT

Please find below and/or attached an Office communication concerning this application or proceeding.

			A9
	Application No.	Applicant(s)	
	09/851,069	CUI ET AL.	
Office Action Summary	Examiner	Art Unit	
	Steve Alvo	1731	
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet	with the correspondence address	s
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period of the period for reply within the set or extended period for reply will, by statute any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may y within the statutory minimum of t will apply and will expire SIX (6) M cause the application to become	a reply be timely filed hirty (30) days will be considered timely. ONTHS from the mailing date of this commur ABANDONED (35 U.S.C. § 133).	nication.
Status			
1) Responsive to communication(s) filed on 2a) This action is FINAL . 2b) This 3) Since this application is in condition for alloward closed in accordance with the practice under <i>E</i>	s action is non-final. nce except for formal m		rits is
Disposition of Claims			
4) Claim(s) 1-11,14 and 15 is/are pending in the 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) 1-11,14 and 15 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or	wn from consideration.		
Application Papers			
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E	cepted or b) objected drawing(s) be held in abection is required if the draw	yance. See 37 CFR 1.85(a). ing(s) is objected to. See 37 CFR 1	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureat * See the attached detailed Office action for a list	nts have been received. Its have been received in Dirity documents have be Bau (PCT Rule 17.2(a)).	n Application No een received in this National Sta	ge
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date	Paper	ew Summary (PTO-413) No(s)/Mail Date of Informal Patent Application (PTO-152 	2)

Application/Control Number: 09/851,069

Art Unit: 1731

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-11, 14 and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over AMANN et al.

AMANN et al teaches oxidizing a carbohydrate (paper pulp) with a nitroxyl radical mediator (column 21, lines 62-64 and column 23, line 10-column 24, line 46). A halide (column 5, line 2) and peroxidase (column 4, line 63 to column 5, line 6)) and adding hydrogen peroxide (column 5, lines 45-51) to the mixture to oxidize the carbohydrate. The claimed nitroxyl radical mediators of AMANN et al do not differ from the mediators of the instant case and/or would have been obvious variants of the nitroxyl radical mediators of AMANN et al (see Applicant's April 19, 2004 amendment, page 9. The claimed conditions are the same and/or obvious over the conditions used in the Examples of AMANN et al.

Claim 1 would be given favorable consideration if amended as follows:

Last line, change "adding a hydroperoxide" to, --slowly adding hydrogen peroxide to the solution containing the carbohydrate to catalyze the nitroxyl radical mediator by said peroxidase enzyme in the presence of halide ions--; see instant specification, page 2, lines 11-21.

Claim 13 should be cancelled.

Application/Control Number: 09/851,069

Art Unit: 1731

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steve Alvo whose telephone number is 571-272-1185. The examiner can normally be reached on 6:00 AM to 2:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Griffin can be reached on 571-272-1189. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Steve Alvo Primary Examiner Art Unit 1731

msa